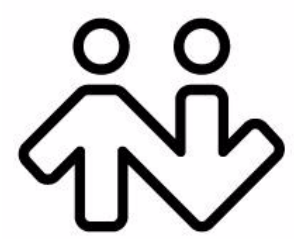

Bria *iPad Edition* User Guide

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Rev 1

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1 About Bria *iPad Edition*

Bria *iPad Edition* is a SIP-based phone for the Apple iPad™ mobile digital device. With Bria *iPad Edition* (Bria), you can use the Wi-Fi and cellular data connections on your iPad to make and receive calls.

Standard Telephone Features

Bria *iPad Edition* has all the standard telephone features, including:

- Call display and Voicemail Indicator.
- Speakerphone, Mute, and Hold.
- Call history – list of received, missed, and dialed calls.
- Call transfer.
- Three-way audio conference.
- Audio codecs G.711, G.722, GSM, and iLBC, with an option to purchase codec G.729.
- Ringtones and contact avatars.
- Support for DTMF: the ability to enter numbers to use with an auto attendant.

Advanced Features

- NAT traversal (STUN and ICE).
- Secure call signaling (TLS).
- Audio encryption (SRTP).
- Quality of Service (QoS).
- DNS SRV record lookups.
- Call quality statistics.
- Application diagnostics (logging and log files uploading).

Accessories

The following accessories are supported:

- Headset with microphone (including Bluetooth™): Bria *iPad Edition* uses the ear-piece and microphone on the headset.
- Headphones (no microphone): Bria *iPad Edition* uses the ear-piece on the headphone and the built-in microphone on the device.

2 Configuring

2.1 Device Requirements

Operating System

Your device must run on iOS 4.0 or higher. To check your operating system, on the device Home screen, tap Settings > General > About and look for the Version.

Supported Devices

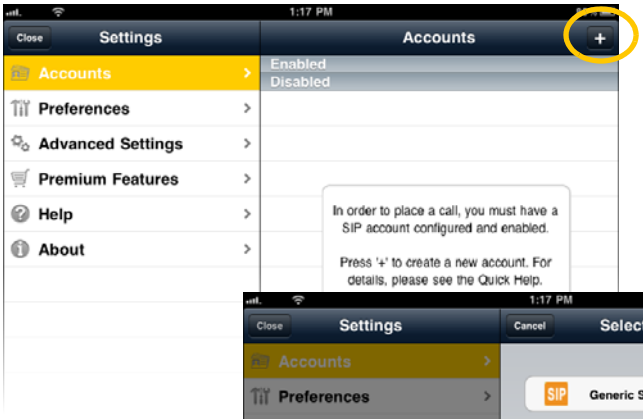
iPad 1 and iPad 2.

2.2 Getting Ready

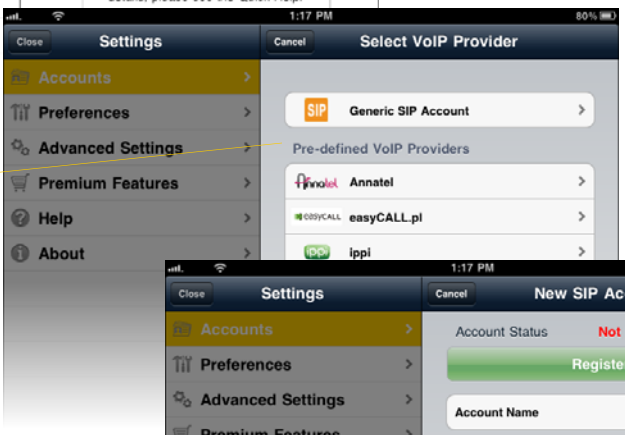
1. Once you have installed Bria *iPad Edition*, make sure you have set up Wi-Fi and cellular data correctly on your device:
    - Set up Wi-Fi: from the main iPad screen, tap Settings > Wi-Fi. Turn on the Wi-Fi field. The Choose a Network panel will be populated with access points. Tap to choose an access point and wait for the item to show a checkmark (indicating that you are connected).
    - Set up cellular data (if applicable): from the main iPad screen, tap Settings > Cellular data and turn on the Cellular Data field.
2. Obtain the following information from your VoIP service provider:
    - Your username, password and domain.
    - Your auth name (authorization name), if used by your service provider.
    - Your voicemail number, if your service provider provides this service.
3. Tap the Bria icon on the iPad.

2.3 Configuring Bria *iPad Edition*

Tap +

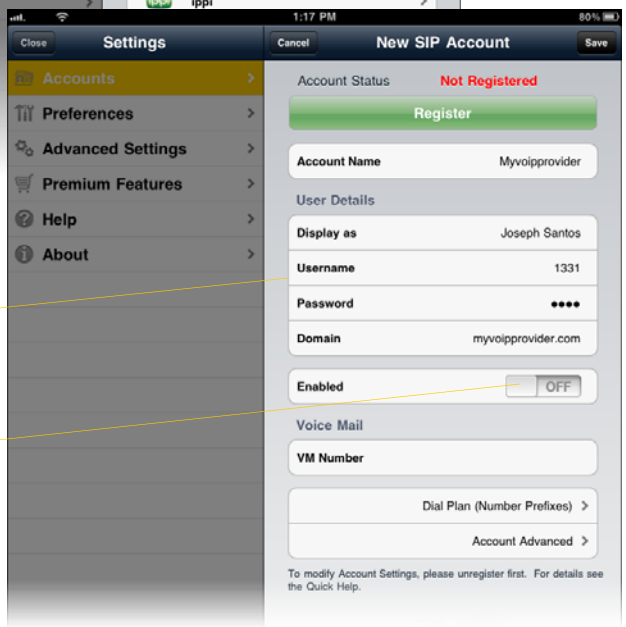


Select your VoIP service provider, if it is on the list. Otherwise, select Generic SIP Account.

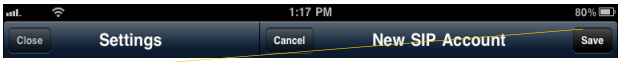


Complete the User Details section and Voice Mail section (optional) with the information provided by your service provider

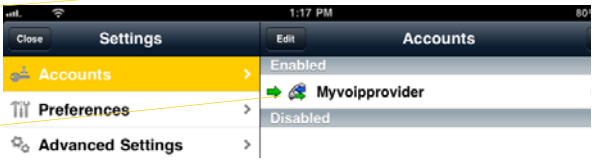
Tap Enable. The account is registered.



Then tap Save



The account list appears with the new account



When you have successfully registered, tap the dialpad icon and try placing a call.

Having Trouble Registering or Placing a Call?

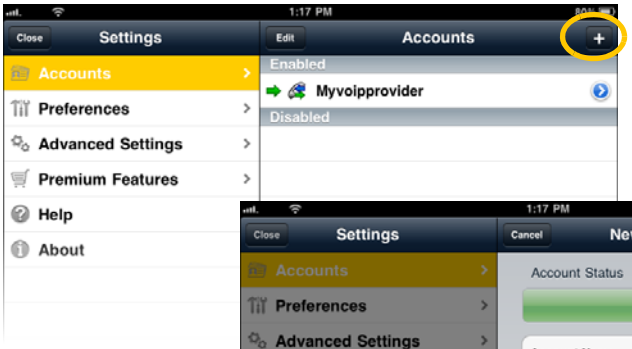
If you cannot register or if you can register but cannot place a call, go to the FAQ at support.counterpath.com/default.asp?W367 (support.counterpath.com > Mobile Products FAQs > Bria for Apple™ Mobile Devices).

Setting up Multiple Accounts

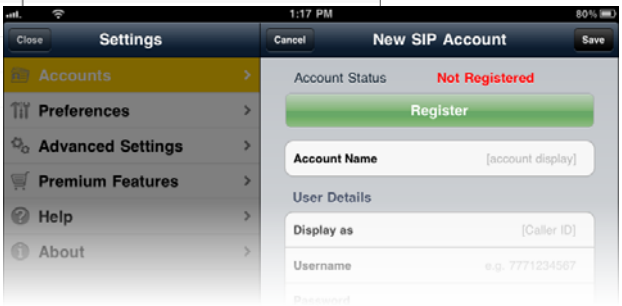
You can set up more than one account if you have service from more than one VoIP service provider.

Tap the Settings icon at the top of the screen.

Tap +



Set up the account in the usual way

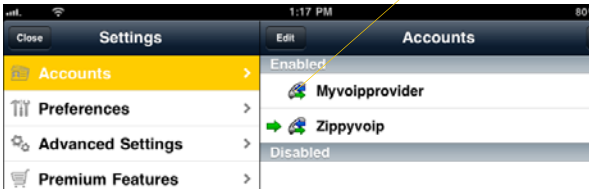


Tap Save

Account status

The Accounts screen reappears

Both accounts are enabled and registered



Account Status

Status	Meaning
	The account can be used to make and receive phone calls; see page 10.
	The account can only be used to make phone calls; see page 10.
	The account is disabled. You can open the account and enable it; it will then automatically register.
	Account is enabled but it is not registered. To register, open the account and tap Register. If you do not want to use an account, you should disable it (rather than unregistering). If you leave the account unregistered (instead of disabled) it will automatically register next time you start Bria.
	The primary account. This account will be used for calls unless you select a different account when placing a particular call. See page 10.

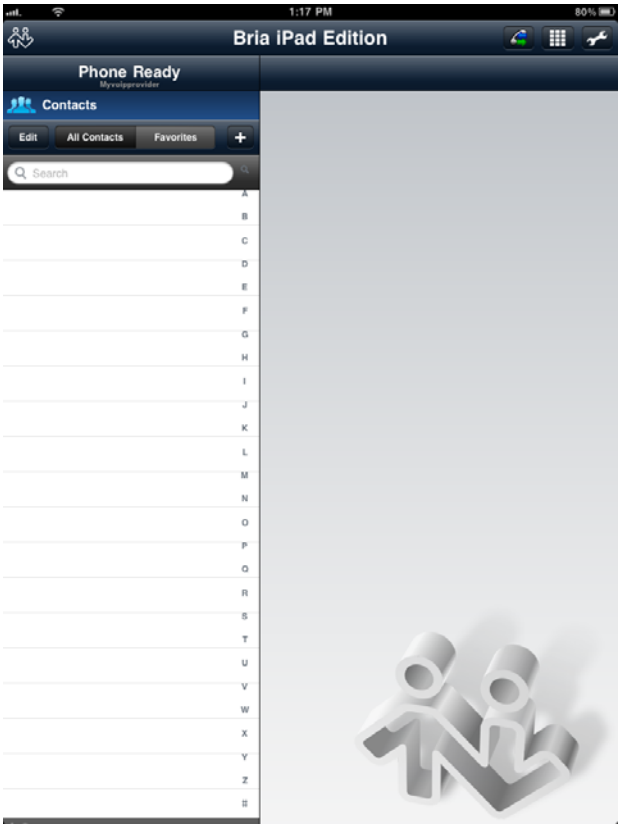
Deleting an Account

To delete an account, go to the Accounts list and swipe across the account. The Delete button appears. Tap Delete. (This swipe action is a standard Apple action for revealing the Delete button for any item.)

3 Using Bria

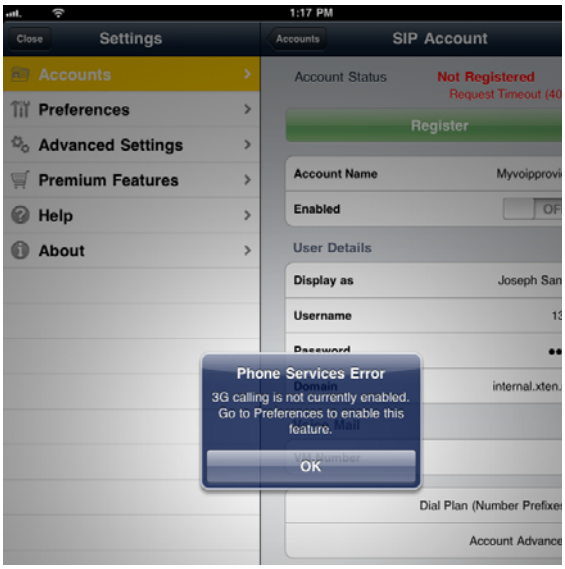
3.1 Starting and Quitting Bria

Start Bria. After a few seconds, the message “Phone Ready” appears. Bria is ready.



This message appears if you did not enable 3G and you do not have a Wi-Fi connection. Use of 3G is optional; to turn it on go to Settings > User Preferences.

3G can be used only on devices that support 3G. If your device does not support 3G, this message will never appear!



Quitting

Double-tap the Home button on the iPad. The list of active applications appears. Long-tap the Bria icon until the red icon appears. Tap the red icon to close the application.

3.2 Using the Bria Interface

The Main Screen

The toolbar; see below

Navigation panel

Tap an item; the module opens on the right

Content panel

The Toolbar

Tap to go to the Settings screen

Tap to show the dialpad

Tap to select the dial-out account (appears only if you have more than one account enabled)

The red icon indicates at least one account is not registered

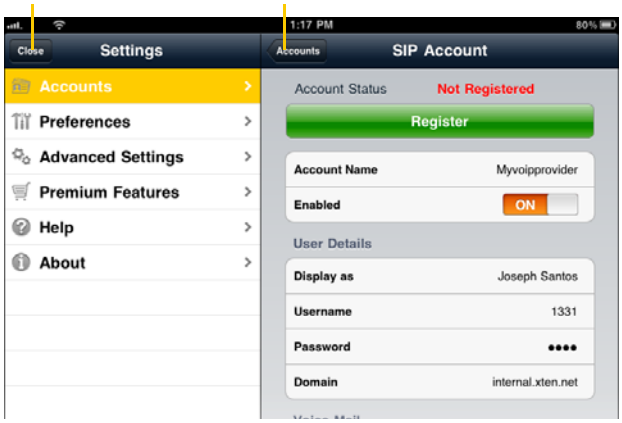
The currently selected dial-out account

Tap anywhere outside a popup to remove the popup

The Settings Screen

Close Settings and return to the Main screen

To previous accounts screen



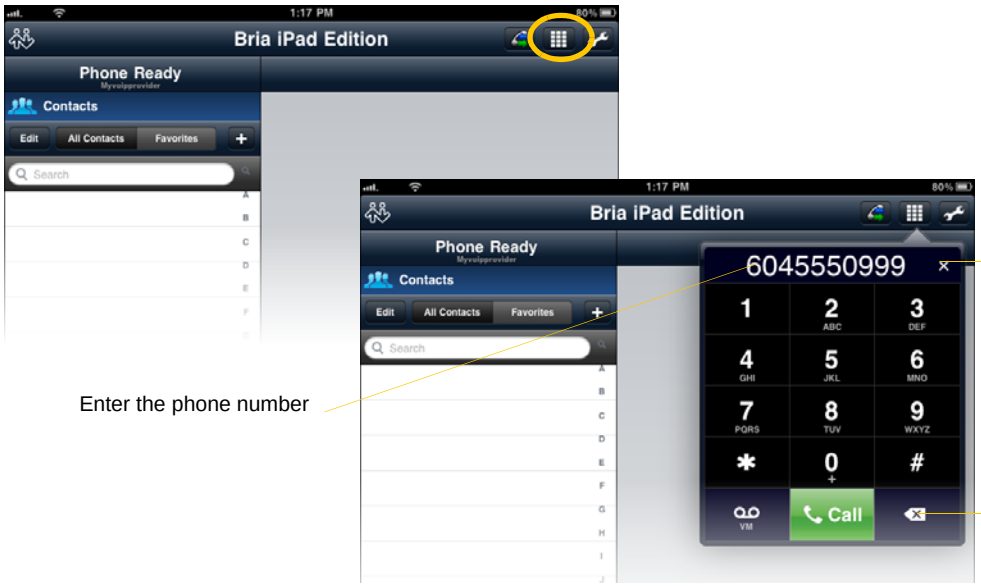
Tap an item; the screen opens on the right

This navigation panel becomes disabled when you are adding an account. It will be re-enabled after you have saved the new account.

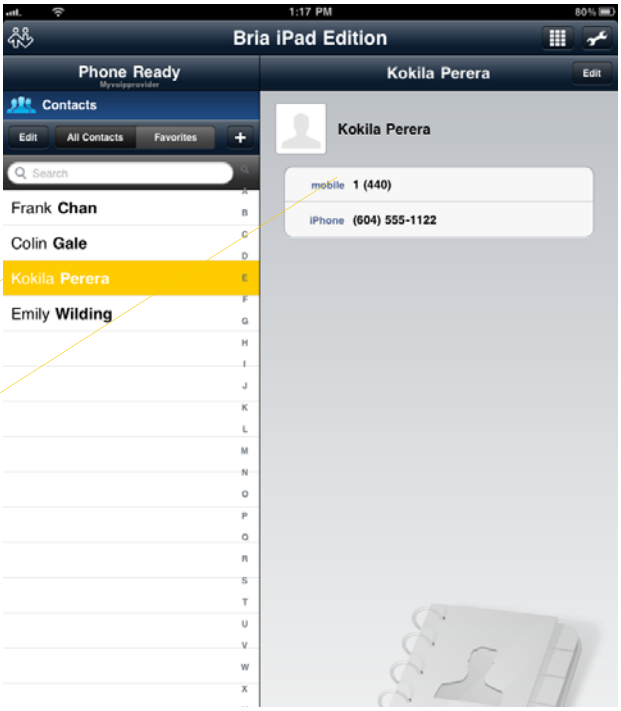
3.3 Placing a Call

Using the Dialpad

Tap the Dialpad icon



From the iPad Contact List

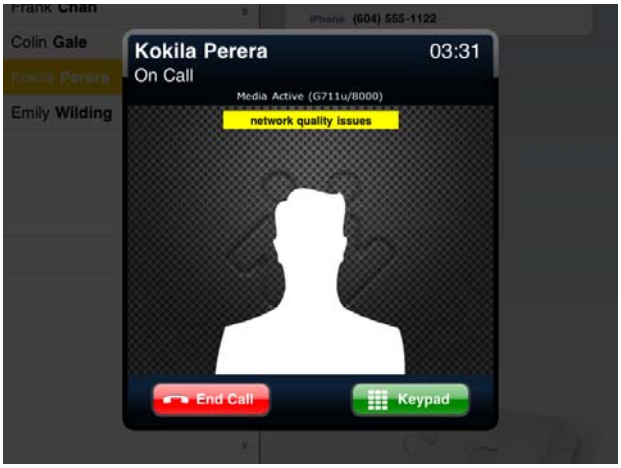


If phone numbers from your contact list need to be modified (for example, to remove extra characters such as +), you can set up a dial plan. See page 39.

A prompt appears for you to confirm the call. Or the call starts immediately. To select the desired behavior, see “Single Touch to Call” on page 30.

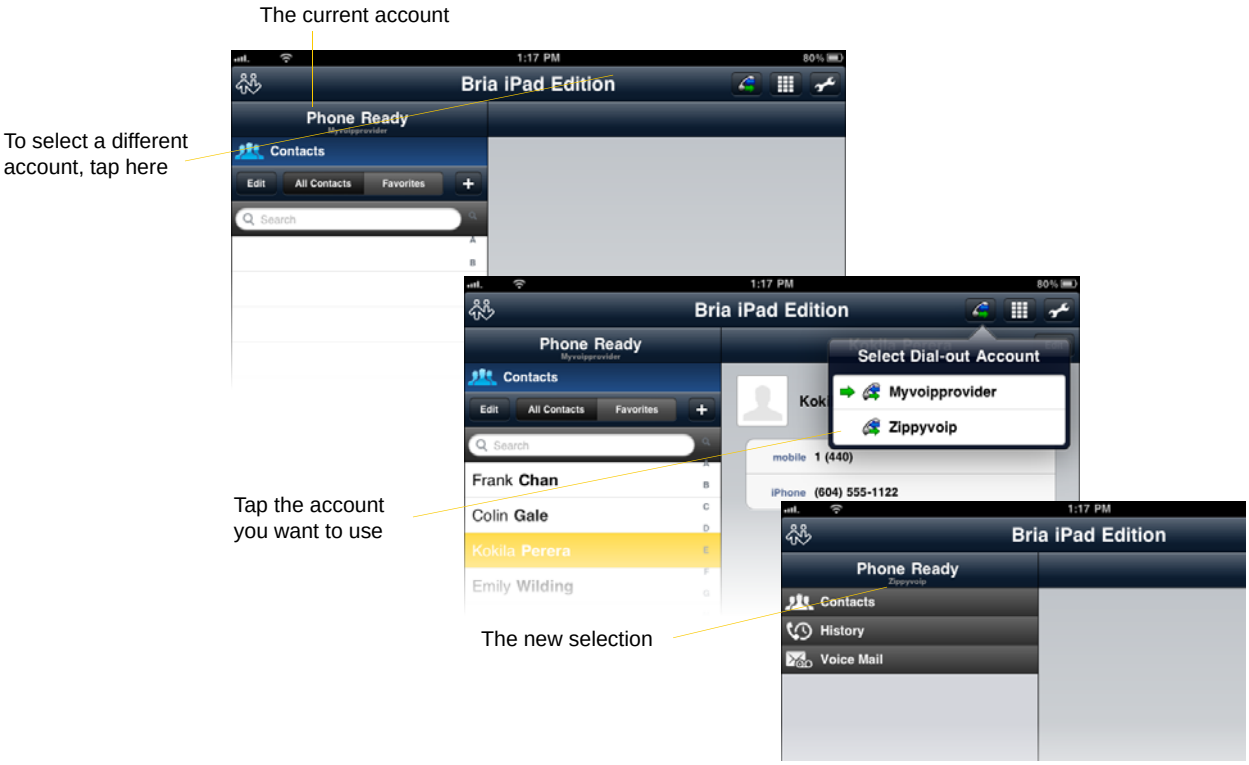
The "network quality issues" Message

This message appears if there is network congestion or a poor quality Wi-Fi signal. Try moving closer to your Wi-Fi access point.



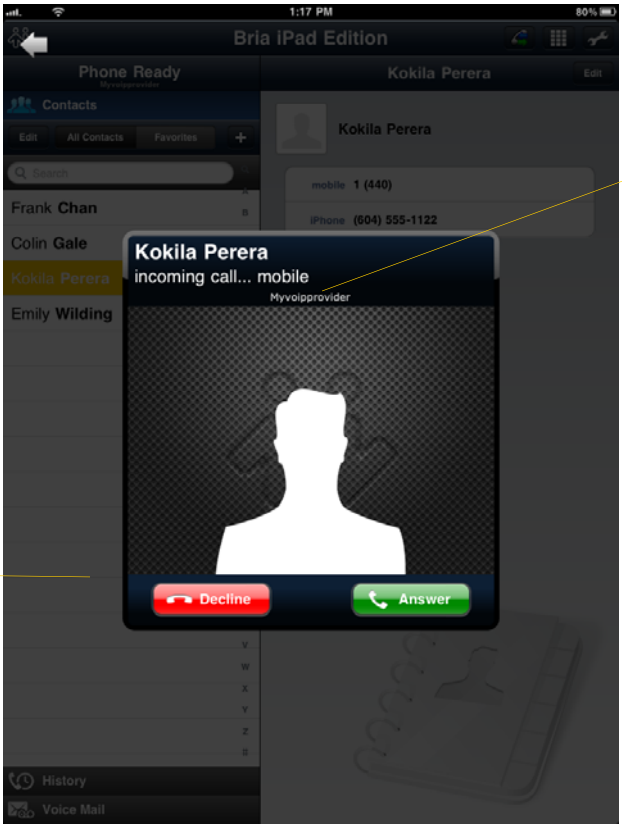
Making a Call from another Account

If you have more than one account enabled, you can change the account to use on a given phone call.



3.4 Handling Incoming Calls

When Bria Is in the Foreground



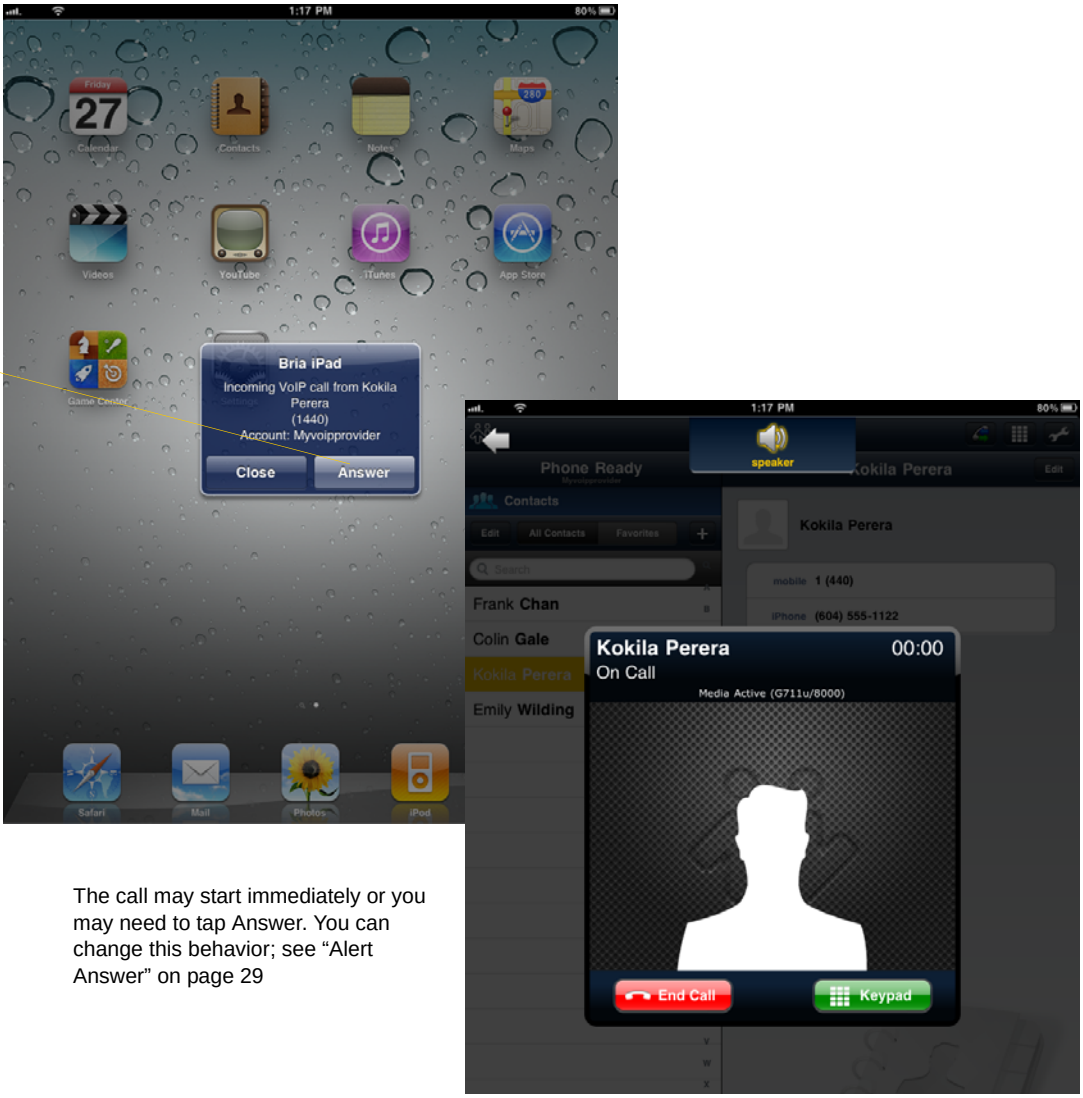
This is the account name; it appears only if you have more than one account enabled (page 5). It tells you which account the call is coming in on

Tap Decline or Answer

When Bria Is in the Background

Tap Answer

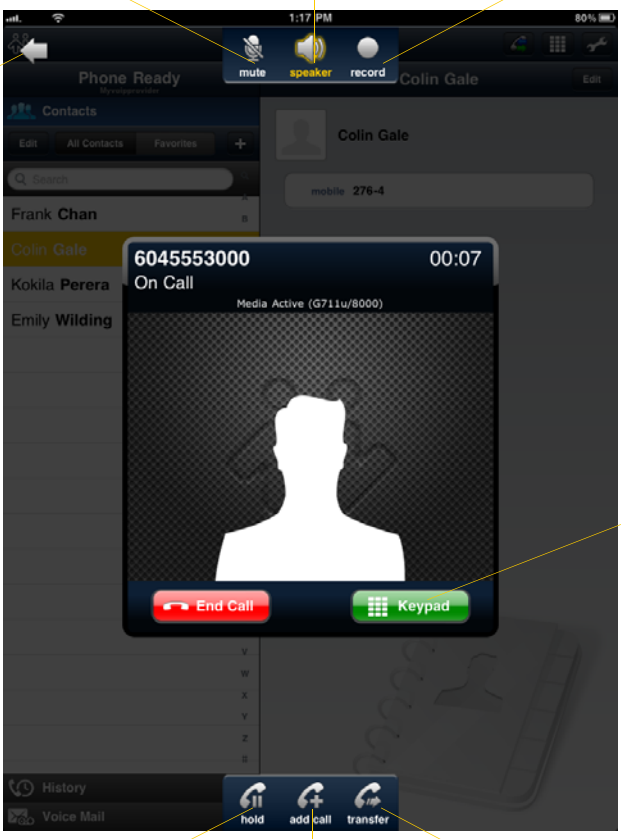
Or tap Close to decline the call



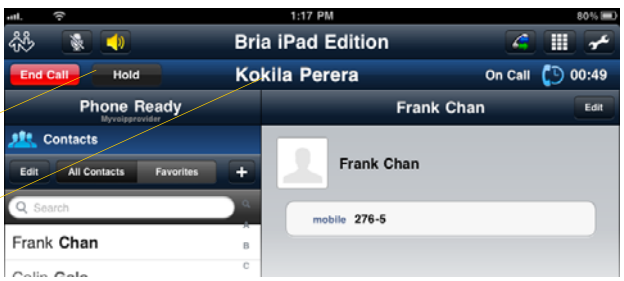
The call may start immediately or you may need to tap Answer. You can change this behavior; see “Alert Answer” on page 29

3.5 Handling One Established Call

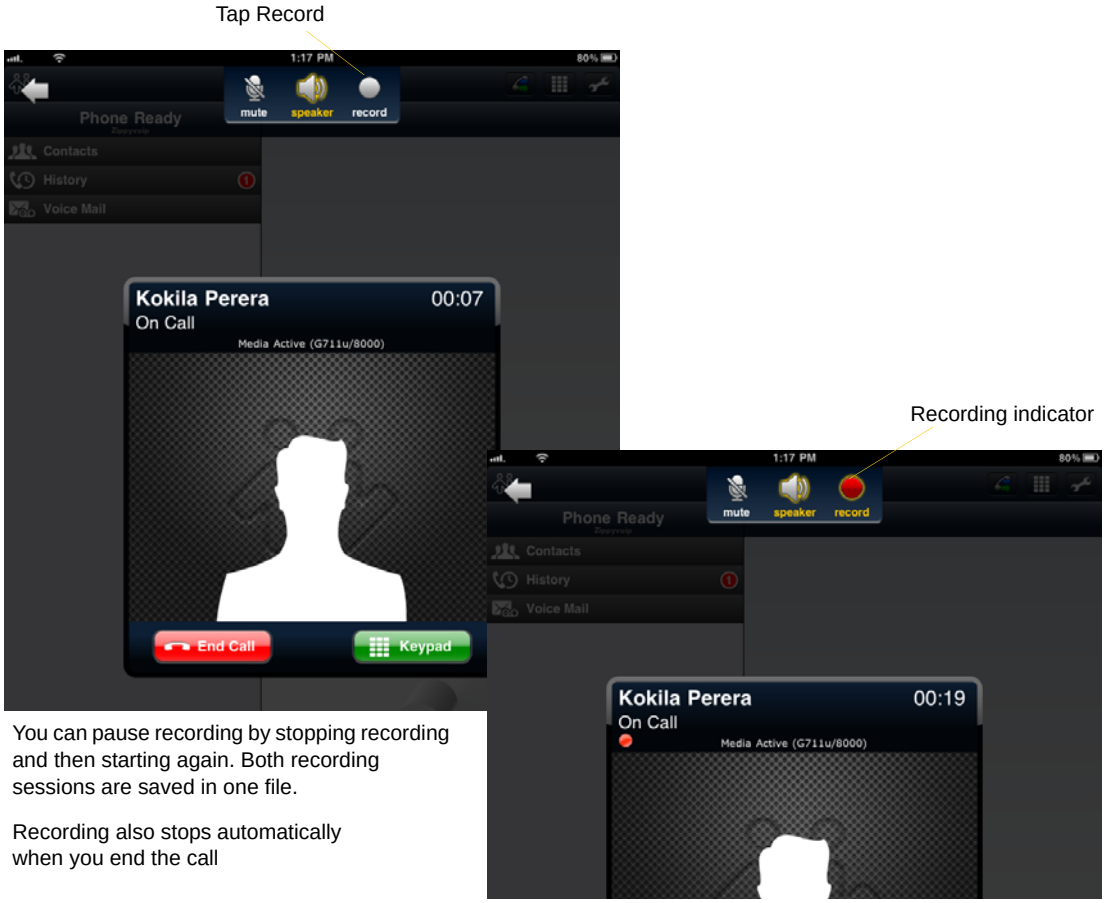
Call in Foreground



Call in Background (Minimized)



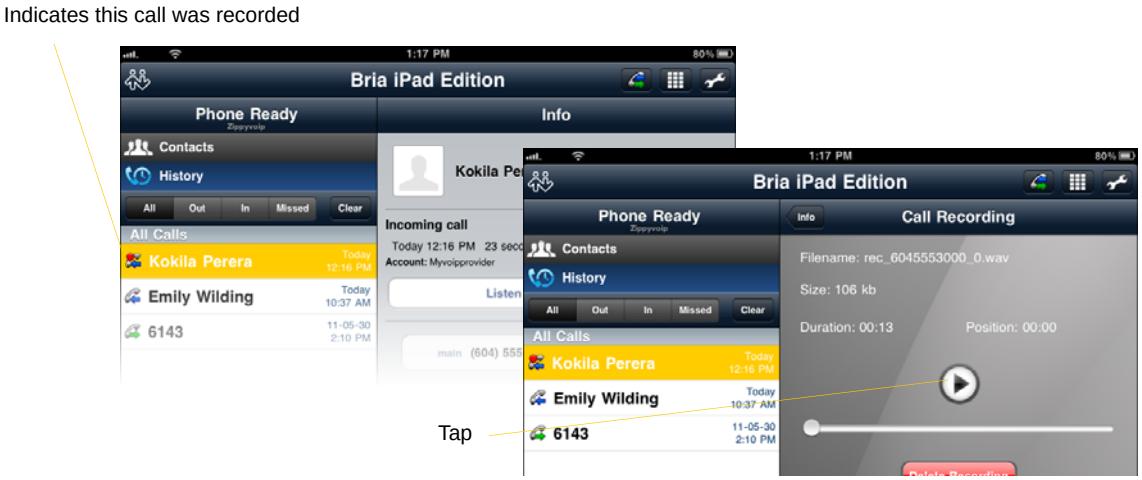
3.6 Recording Calls



You can pause recording by stopping recording and then starting again. Both recording sessions are saved in one file.

Recording also stops automatically when you end the call

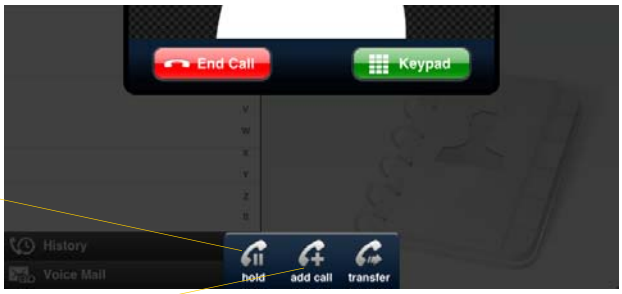
Listen to the recording on the History screen.



You can also manage the recording in iTunes®. Select your device, click the Apps tab at the top of the screen, scroll down to file sharing, then click the Bria icon in the Apps panel. The recordings appear in the Bria Documents panel.

3.7 Placing a Second Bria Call

Using the Dialpad



Place the current call on hold, if desired

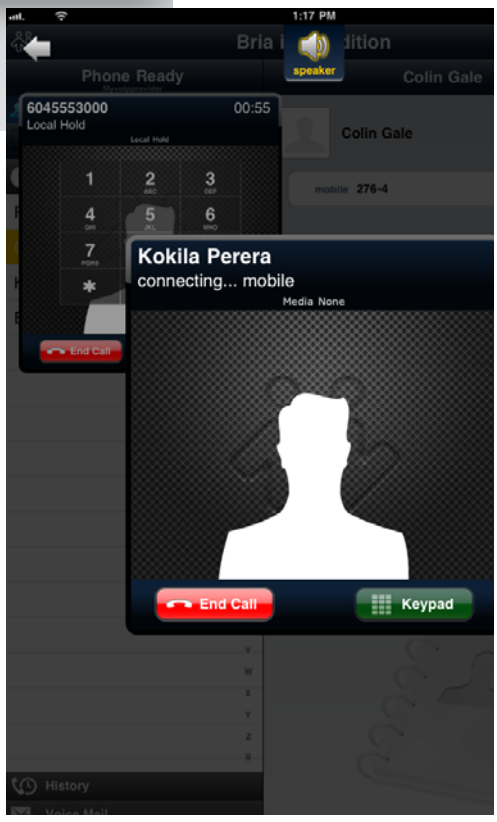
Then tap Add Call

Or tap here to go back to the first call

Dial the number of the second person and tap Call

When the call connects, the first call is put on hold and moves to the back. You are now speaking to the second person.

To switch to the other call, tap that call popup; the popups switch positions.

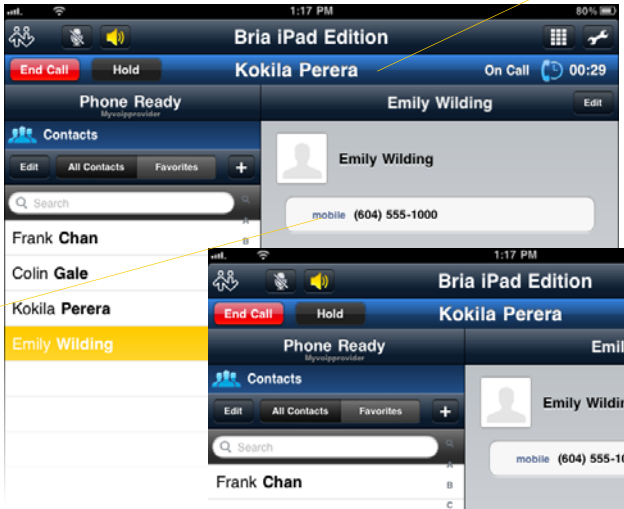


From the Contact List or History List

Place the current call on hold, if desired

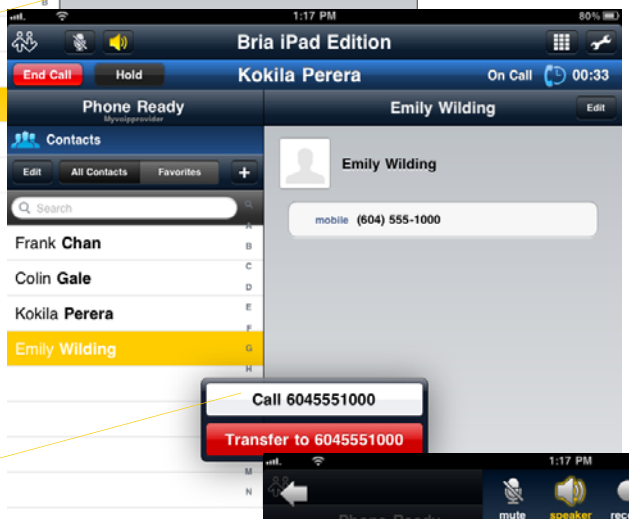
Then tap Add Call

Or tap here to go back to the first call

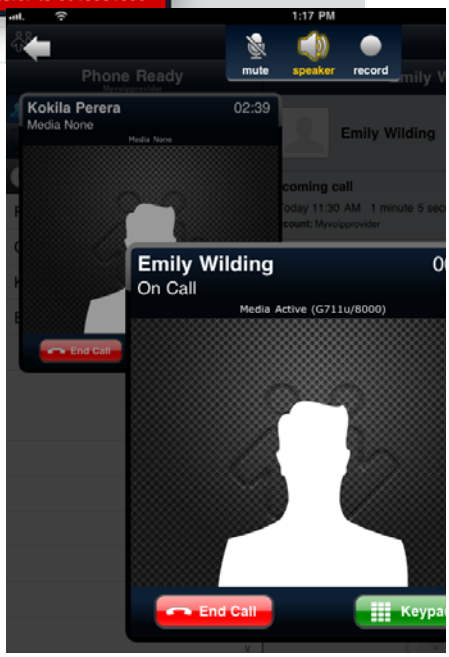


Display the Contact list or History List

Search for the person and tap the phone number



Tap Call



When the call connects, the first call is put on hold and moves to the back. You are now speaking to the second person.

To switch to the other call, tap that call popup; the popups switch positions.

3.8 Handling Two Established Calls

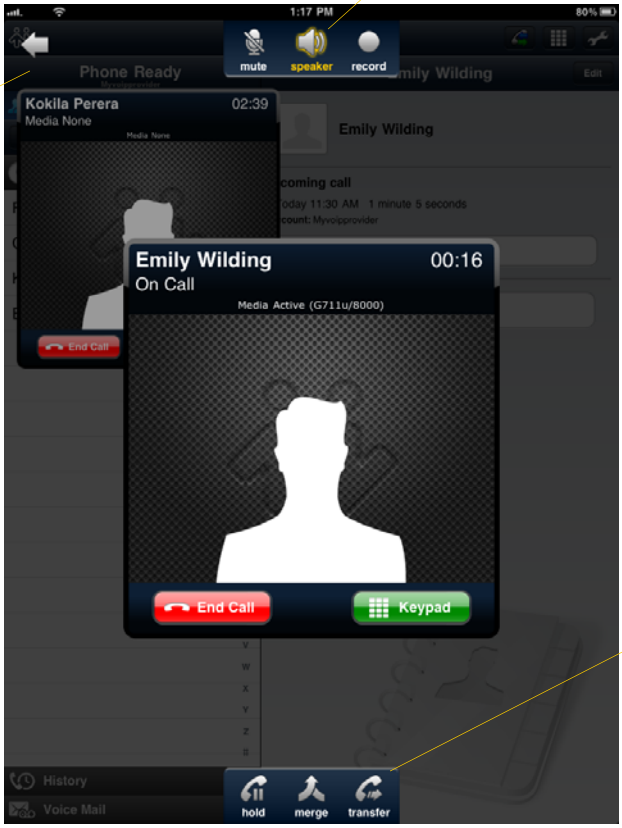
Two Established Calls in Foreground

The call in the back is always on hold. The call in the front may be on hold or active.

To switch to the other call, tap that call popup; the popups switch positions.

Mute and speaker apply to both calls. Record applies only to the call that is in the front (the active call).

Or to access the Navigation panel or Toolbar, tap here. The calls are minimized.

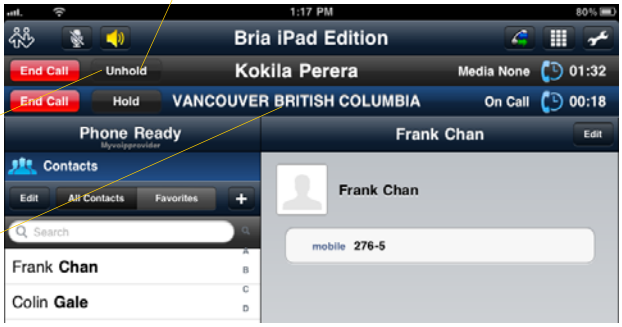


These controls apply to the call that is in the front.

Two Established Calls in Background (Minimized)

You can access the Navigation panel modules or the Settings module without putting your call on hold

In this example, one call is live.



You can still work with the calls in this mode

Tap either call to return both calls to the foreground.

3.9 Unattended (Blind) Transfer

You can transfer the current Bria call to a second person without first talking to that second person.

Using the Dialpad

Optionally, put the call on hold.

Tap Transfer

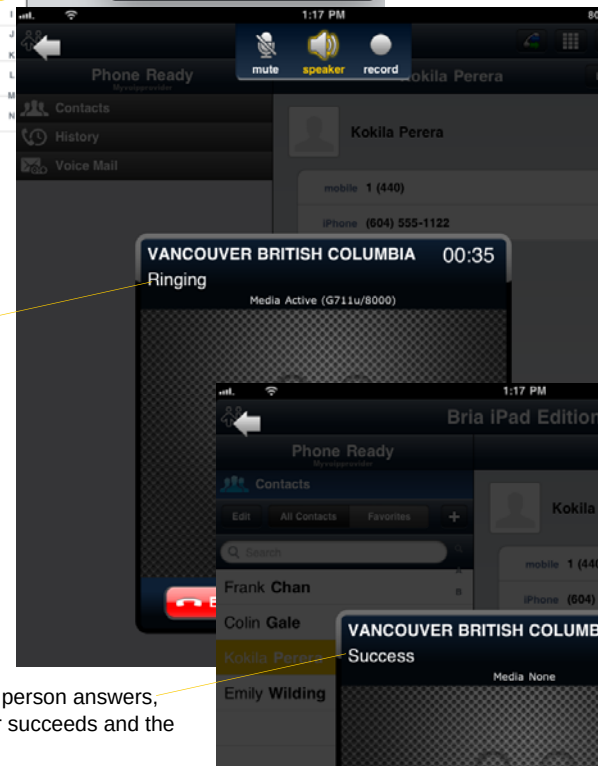
The call is minimized

To cancel the transfer, tap anywhere outside the dialpad.

The dialpad automatically appears

Type the number to transfer to

Tap Xfer



The transfer starts

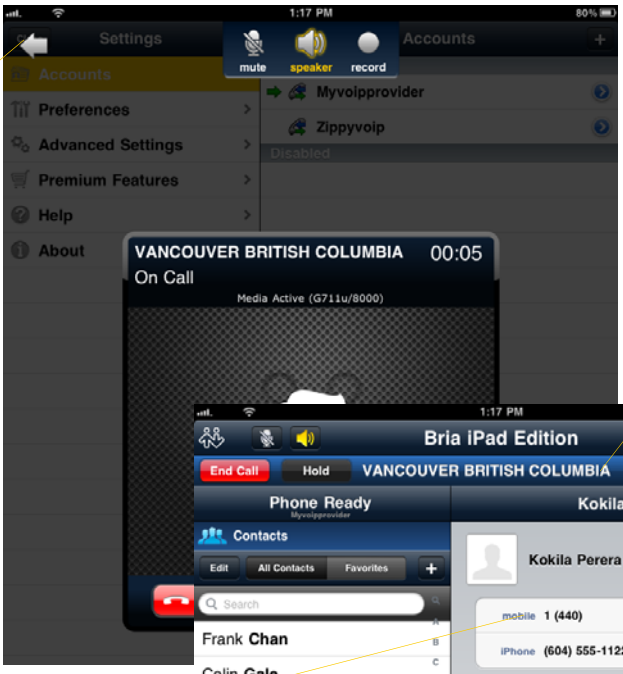
If you tap End Call, the call ends on your side but the transfer attempt continues.

If the other person answers, the transfer succeeds and the call ends.

By Selecting a Contact or History Item

Optionally, put the call on hold.

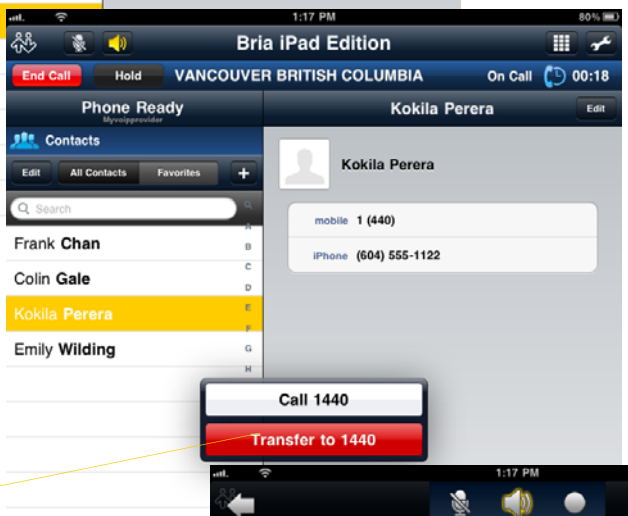
Tap



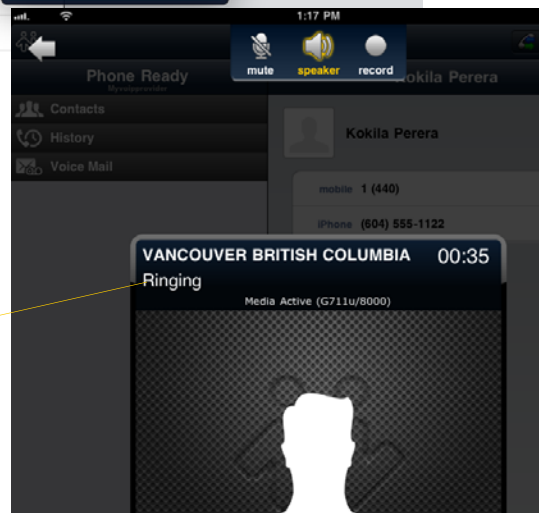
The call is minimized

If necessary, tap Contacts

Search for and tap the contact, then tap the phone number



Tap Transfer



The transfer starts

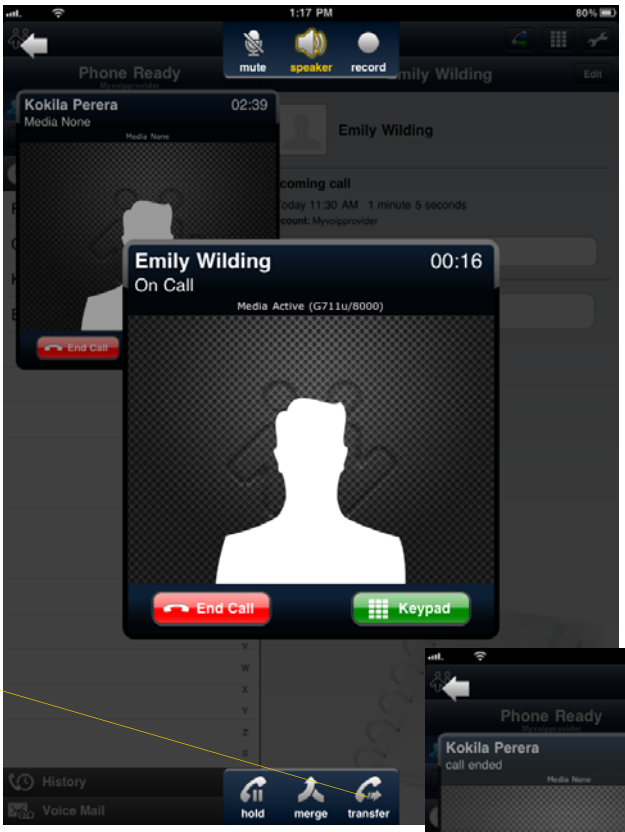
If you tap End Call, the call ends on your side but the transfer attempt continues.

If the other person answers, the transfer succeeds and the call ends.

3.10 Attended Transfer

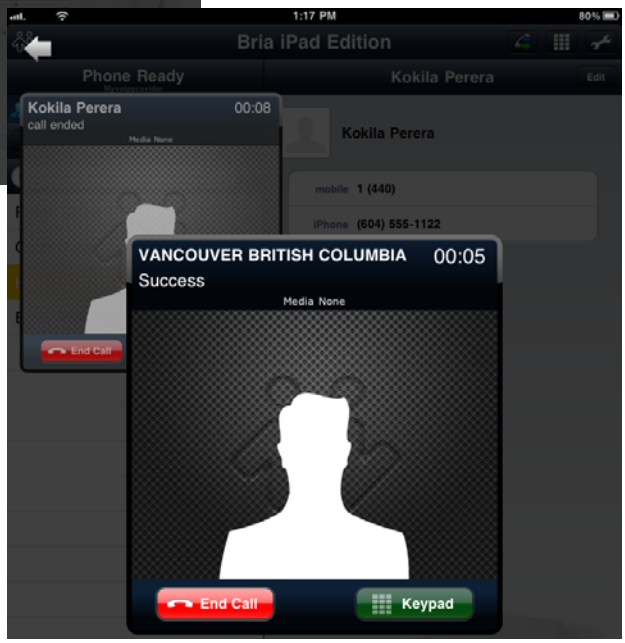
You can speak to the second person first then transfer the first person to them.

Establish two calls (page 15)



Tap Transfer.

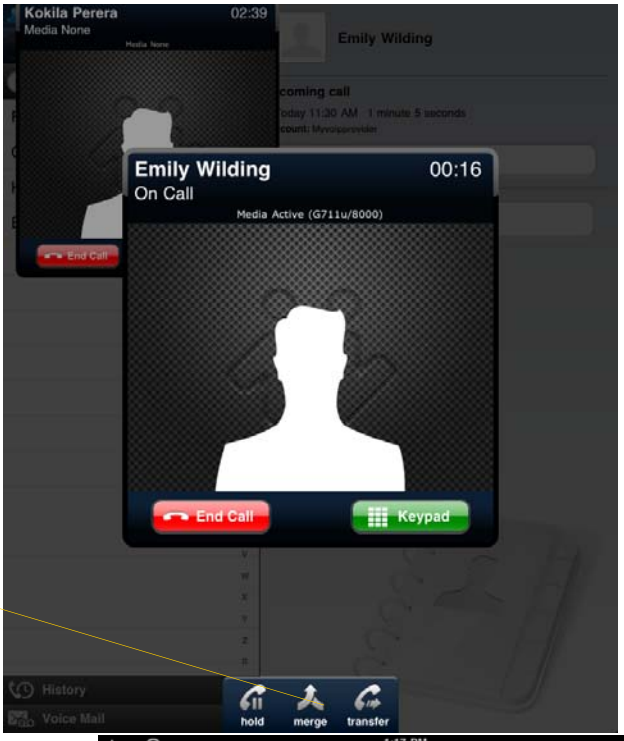
The live call is transfered to the on-hold call.



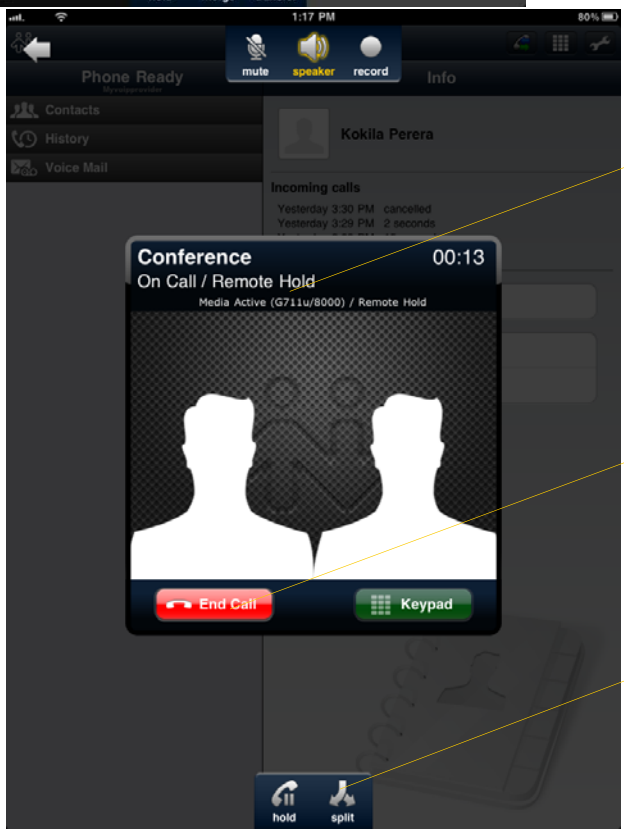
3.11 Conference Call

When you have two Bria calls established, you can merge the calls into a three-way conference call.

Establish two calls (page 15)



Tap Merge



The two calls are merged into a conference

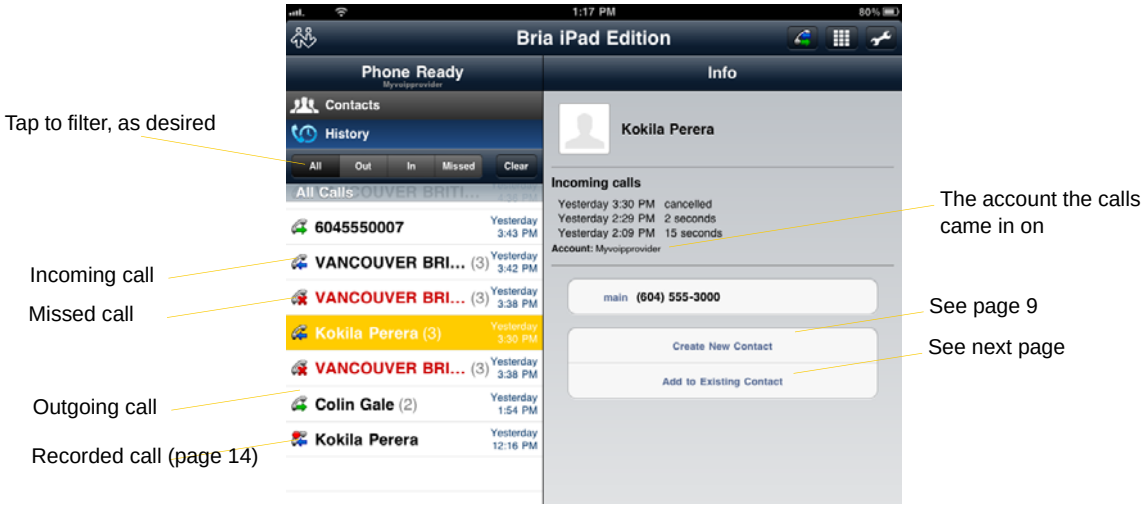
In this example, you are live with one person; the other person has put the call on hold

Clicking End Call ends the conference and hangs up both calls

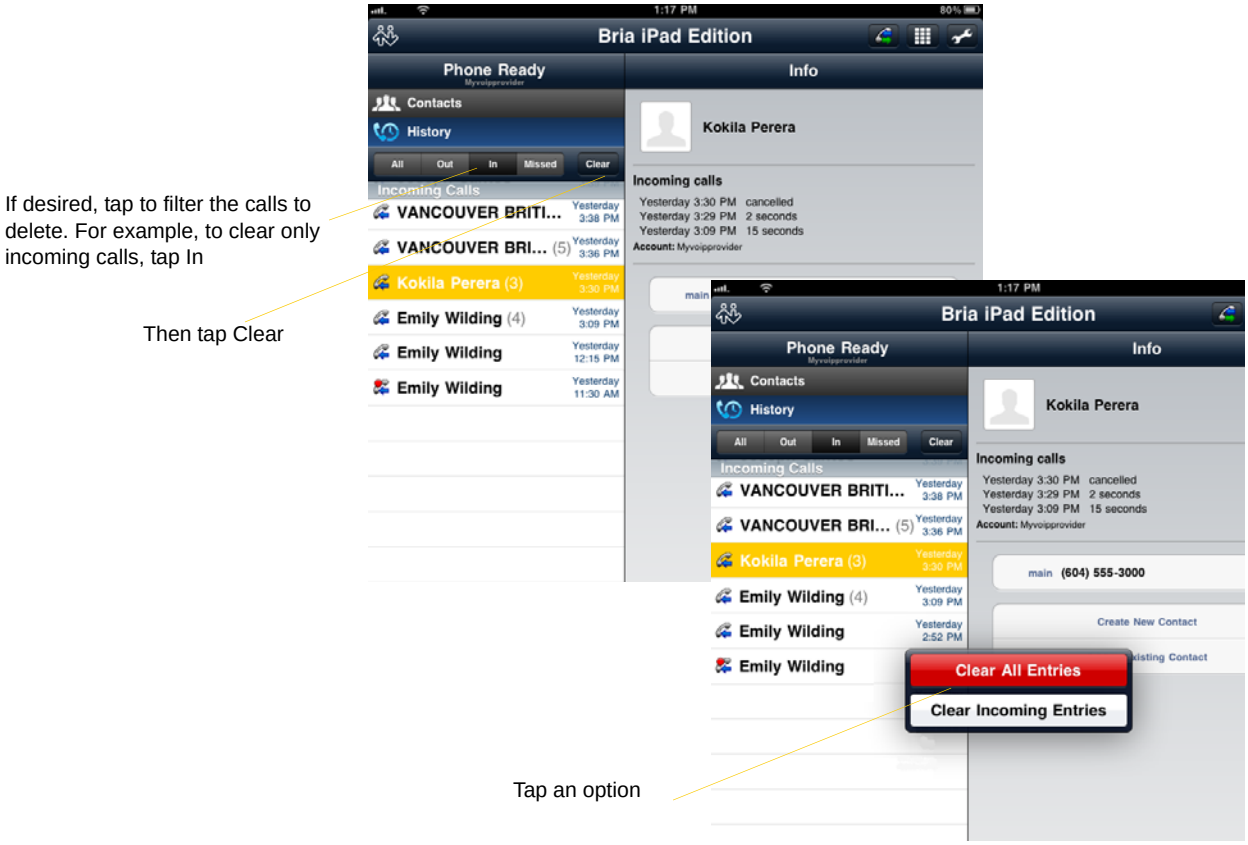
If desired you can split the conference back into two calls

3.12 Call History

Tap the History icon at the bottom of the screen.

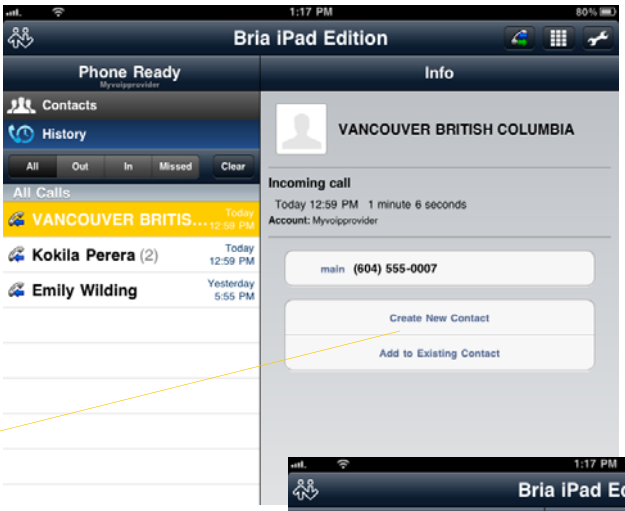


Clearing the History

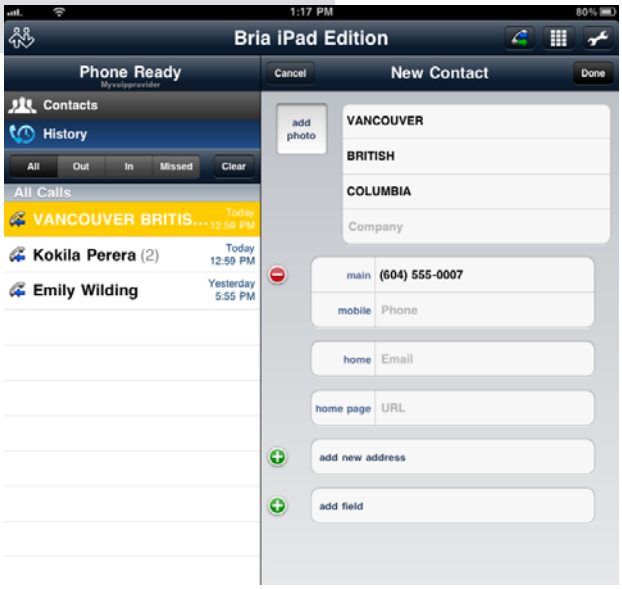


Creating a Contact from History

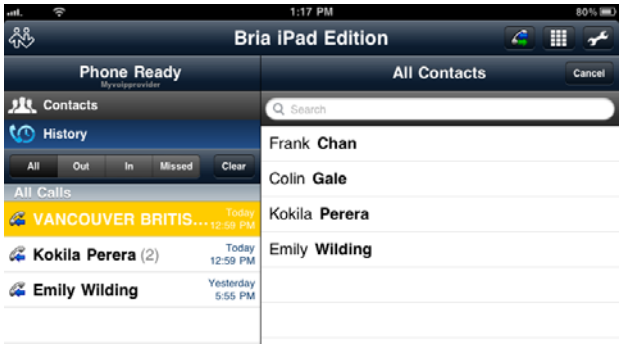
You can create a contact from a history item.



Tap Create New Contact or Add to Existing Contact



If you tap Create, the New Contact screen appears with the number already entered. Complete the other fields.



Or if you tap Add, the contact list appears. Tap the contact where you want to add this number. The contact is immediately updated.

3.13 Accessing Voicemail

If your VoIP service provider provides a voicemail service, then incoming calls go to voicemail if:

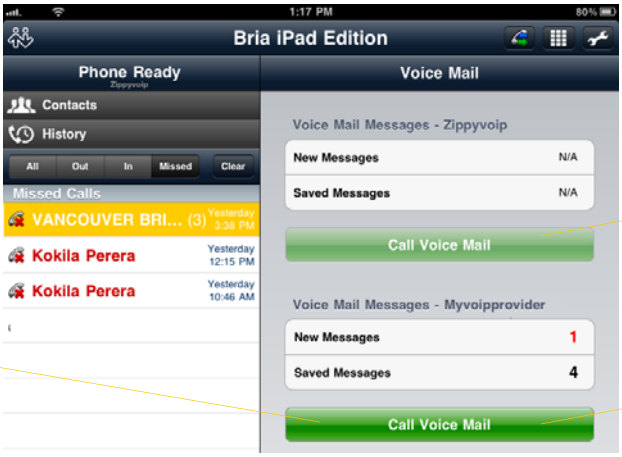
- Bria is not running.
- You already have two calls established

The notification icon on the iPad home screen. The number is a combined count of voicemails and missed calls.

The voicemail indicator at the bottom of the Bria Navigation panel

Tap the voicemail icon

The Voice Mail screen appears.



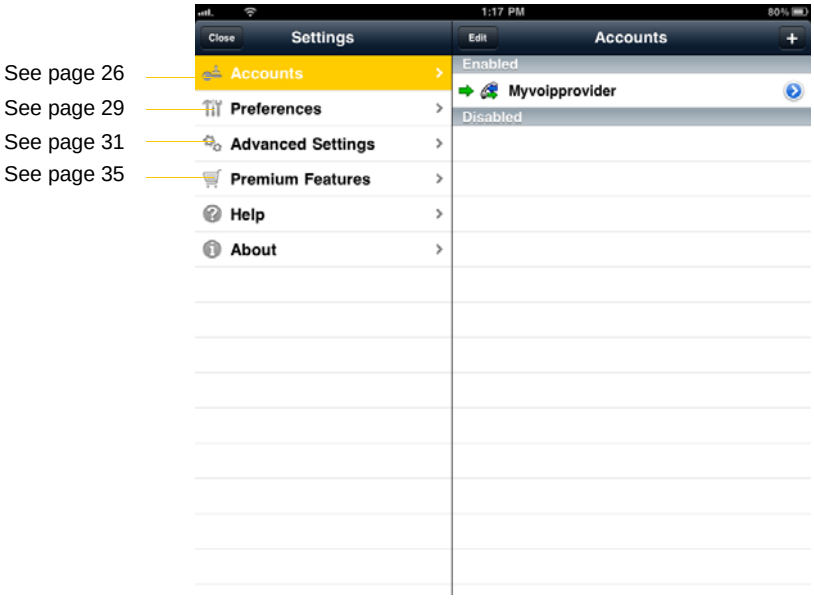
The Call button is disabled on this account because you have not set it up for voicemail. See page 26

Tap to call voicemail

This account has been set up for voicemail.

4 Settings

Tap the Settings icon at the top of the screen.

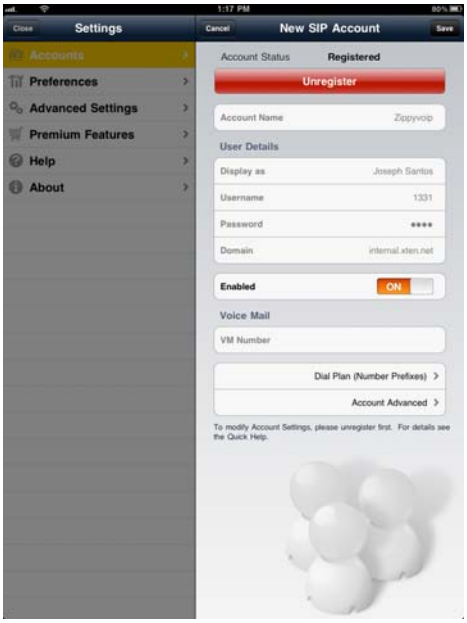


See page 26
See page 29
See page 31
See page 35

4.1 Account Settings

All the fields on this screen must be supplied by your VoIP service provider.

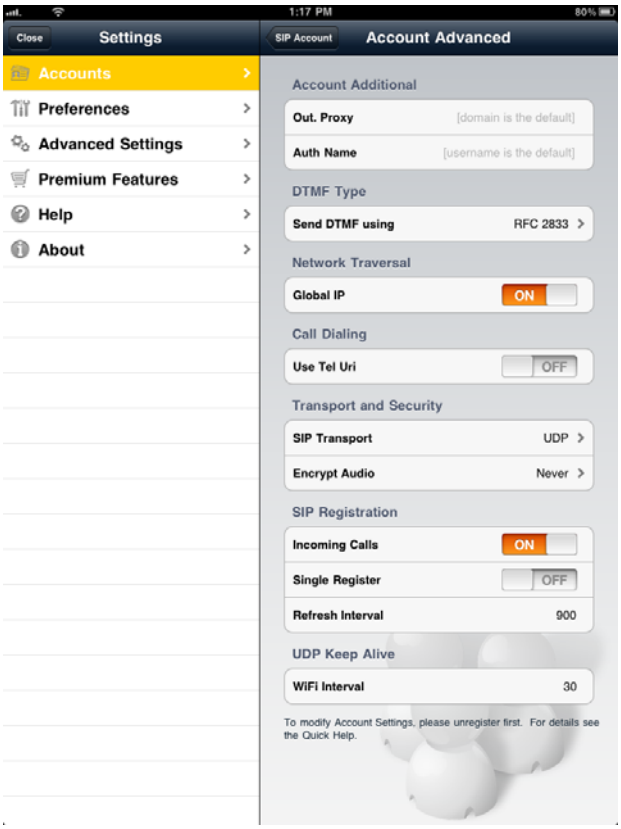
To change these fields on an existing account, you must first unregister the account.



Field	Description
Account Name	Change the name as desired. For example, “business account”
Enabled	Typically On, in order to use the account for calls.
Display as	Your name
Username	Typically the account number for the account. Provided by your VoIP service provider.
Password	Provided by your VoIP service provider.
Domain	Provided by your VoIP service provider.
VM Number	The number to dial to connect to voicemail and check messages. Provided by your VoIP service provider. If there is a number in this field, tapping the VM icon on the phone will connect to voicemail, page 24.
Dial Plan	Optional. See page 39.
Account Advanced	See below.

Account Advanced

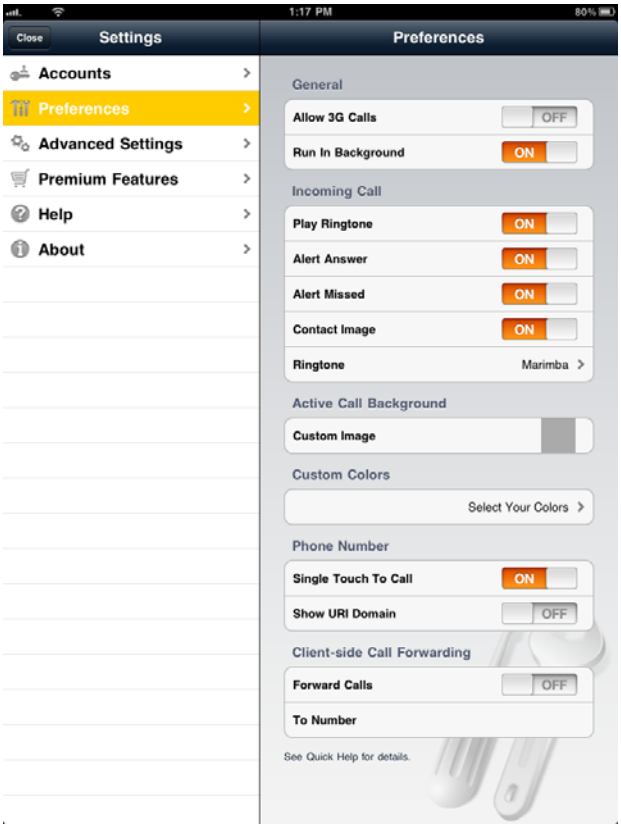
To change these fields on an existing account, you must first unregister the account.



Field	Description
Out. Proxy	If your VoIP service provider has an outbound proxy and requires that you provide that address to Bria, enter the domain name or the IP address obtained from your provider.
Auth Name	May not be required. But if it is required, it will be provided by your VoIP service provider.
Send DTMF using	The method used for DTMF, sent when you press a number key when dealing with an auto attendant (such as “press 1 for customer service”). Enter the value specified by your VoIP service provider.
Global IP	• ON: Bria will publish its public IP address at the signaling level. The public address may not work with some NATs or firewalls. • OFF: Bria will publish its private IPs at the signaling level. Typically, you turn this field off only if instructed to do so by your system administrator.
Global IP 3G	This setting has the same function as Global IP, but applies only when you are connected over 3G. If you set this setting to ON, you must also set Global IP to ON.
Use Tel URI	Change this value only if advised to do so by your VoIP service provider. • ON: Prefix SIP URIs with tel:// • OFF (default): Prefix SIP URIs with sip://

Field	Description
SIP Transport	Tap to display the choices. Contact your VoIP service provider to identify the types of transport that are supported. • UDP and TCP do not support signal encryption. • TLS does support signal encryption. If TLS is selected, a given call will be encrypted if the other person also uses TLS. You may also need to install a certificate on your iPad; speak to your VoIP service provider.
Encrypt Audio	If the transport is set to TLS, you can encrypt a phone call at the media (audio) level: • Never: Audio is not encrypted. • If Possible: On a given call, audio will be encrypted if the other person supports and is also using audio encryption. If not, audio will not be encrypted. • Always: Audio will always be encrypted. The call will fail if the other person cannot accept encrypted calls.
Incoming Calls	Typically ON, in order to receive calls. If OFF, you will not be able to receive calls using Bria. To change the value, first set Enabled to OFF.
Single Register	Applies only if Global IP is ON. • ON: Bria will register using a single register request. • OFF (default): Bria will register using an unregister and a register. Only choose ON if advised by your VoIP service provider.
Refresh Interval	The timer interval between Bria's attempts to register in order to refresh the account registration. This value is placed in the "Expires" header field of the SIP REGISTER message. Change this value only if advised to do so by your VoIP service provider.
UDP Keep Alive - WiFi Interval	A "keep alive" message is a mechanism for maintaining a "pinhole" through your firewall so that the account registration is maintained. The interval specifies how often the message is sent (in seconds). If you are experiencing problems (for example, accounts become unregistered when using a WiFi connection), try setting this interval to a lower number such as 20.
UDP Keep Alive - Cell Interval	Same as above, except the interval applies to registrations made over the cellular network.

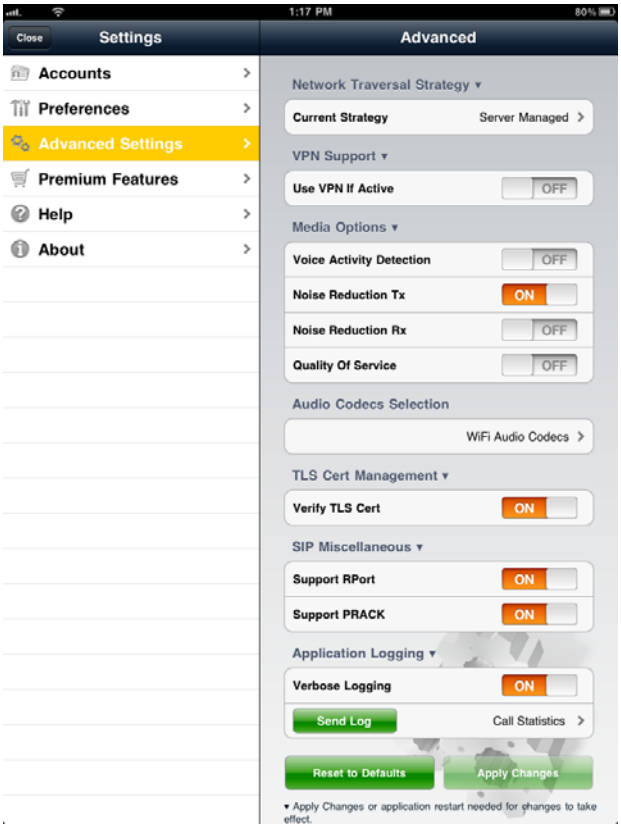
4.2 User Preferences



Field	Description
Allow 3G Calls	• ON: When a Wi-Fi connection is not available, Bria will attempt to place calls using the cellular data channel. Data charges with your mobile carrier will apply. If you turn this setting on, we recommend you purchase the G.729 codec (page 35) because it provides better audio quality on 3G calls. • OFF: When a Wi-Fi connection is not available, you will not be able to place or receive calls.
Run in Background	• ON: If using UDP for transport (page 28). • OFF: If using TCP or TLS for transport. This setting lets you receive calls when Bria is running in background and your transport is UDP. Turning this setting on decreases battery life. But if it is turned off, you will not be able to receive calls if you are using UDP. If you are using TCP or TLS, there is no need to turn this setting on.
Play Ringtone	ON to hear the ringtone.
Alert Answer	Controls the behavior of the incoming call prompt (when Bria is in the background): • ON: If you click View, the call is immediately answered. (The Incoming Call screen does not appear). • OFF: If you click View, the Incoming Call screen appears. You can then choose either Answer or Decline.

Field	Description
Alert Missed	Controls the behavior of the missed call prompt (when you receive a call when Bria is in the background): • ON: A Missed Call alert appears on the native iPad screen. • OFF: No alert appears.
Contact Image	ON to display the contact image while receiving or making calls.
Ringtone	Set to the desired ringtone.
Custom Image	The image that appears when you are on a call.
Custom Colors	You can change the color of various parts of the screen. This setting includes a Reset button, so you can easily return to the defaults.
Single Touch to Call	ON: When making a call from Contacts or History, the call will be placed as soon as you tap a phone number. OFF: When you tap the phone number, a prompt appears. When you tap that prompt, the call will be placed.
Show URI Domain	ON: The phone number displayed for an incoming, outgoing or established call will include the domain name (for example, 1234@myVoipProvider.com). OFF (default): The domain name is not included in the display.
Forward Calls	ON to send all incoming calls to a specific number. So long as Bria is enabled and registered and Keep Awake (above) is ON, incoming calls will be forwarded to this phone number.
To Number	The number to forward calls to, when Forward Calls is ON.

4.3 Advanced Settings

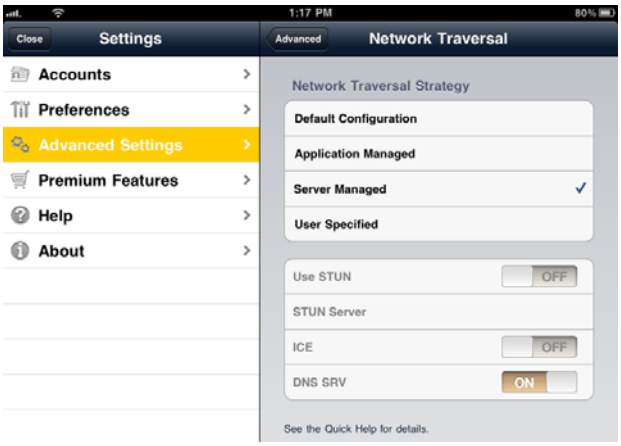


If you make changes to the fields identified by a ▼, you must tap the Apply Changes button at the bottom of the screen or restart Bria.

Field	Description
Network Traversal Strategy	Tap to display the choices; see below.
Use VPN If Active	If you are using Bria with a VPN connection to your network, set this field to ON, to force Bria to select the VPN network interface. If you are not using a VPN, set to OFF. Only set this field to ON if you using a VPN connection, otherwise the wrong network interface may be selected, resulting in registration problems.
Voice Activity Detection	• ON (default): audio is not transmitted when no one is speaking. Turning this feature on may reduce bandwidth usage. • OFF: audio is transmitted when no one is speaking.
Noise Reduction Tx	Noise Reduction. When ON, Bria attempts to reduce background noise on audio you are transmitting (sending to the other person). Typically ON when you are not using a headset, typically OFF when you are using a headset.
Noise Reduction Rx	Noise Reduction. When ON, Bria attempts to reduce background noise on audio you are receiving from the other person.
Quality of Service	If desired, ask your VoIP service provider if QoS is supported. QoS (Quality of Service) can allow your phone calls to be given a higher priority on the network.

Field	Description
Audio Codecs Selection	Tap to display more information about these two fields. See page 34.
Verify TLS Cert	Applies only if you use TLS as the transport. ON (default): Bria attempts to verify the certificate, sent by the SIP server, to see if it is trusted. For the certificate to be trusted, a corresponding CA certificate, provided by your VoIP provider, must be installed on your device (using the iPad Configuration Utility for example). OFF: Bria accepts the certificate without attempting to verify it.
Support RPort	• On: the outgoing INVITE message will have an RPort parameter inside the Via header, which indicates that Bria supports RFC 3581. If the server also support RFC 3581, the server should respond with the RPort parameter set to the incoming public IP port and the received parameter set to the public IP address. This is the default behavior in previous Bria versions. • Off: Bria does not have the RPort parameter in the Via header. If your calls drop within 30 seconds to 2 minutes after the call is successfully established, try different combinations of RPort and PRACK: off/on, on/on, on/off). If none of these combinations solve the problem, turn both the settings off again (default).
Support PRACK	• On: Bria advertises that it supports “100rel” and allows PRACK, as defined in RFC 3262. The outgoing INVITE message will have “100rel” in the Supported header and “PRACK” in the Allow header. This is the default behavior in previous Bria versions. • Off: Bria will not advertise these features; there will be no “100rel” in the Supported header. If your calls drop within 30 seconds to 2 minutes after the call is successfully established, try different combinations of RPort and PRACK: off/on, on/on, on/off). If none of these combinations solve the problem, turn both the settings off again (default).
Verbose Logging	Leave this setting OFF unless customer support instructs you to turn it ON in order to troubleshoot a problem you are having on your device. See page 37.
Send Log	Press the button to upload the current log to your provider. See page 37.
Call Statistics	To show detailed information about the current/last call. For example, the number of packets lost.

Network Traversal Strategy



Select a profile:

- Default Configuration: STUN ON, ICE OFF, DNS SRV ON.

  Bria will use the STUN server at stun.counterpath.com to discover the public address of your device. It will present that public address for SIP signaling and when negotiating media routing.

- Application Managed: STUN ON, ICE ON, DNS SRV ON.

  Bria will use the STUN server at stun.counterpath.com to discover the public address of your device. It will present your public address for SIP signaling and both your public and private addresses when negotiating media routing.

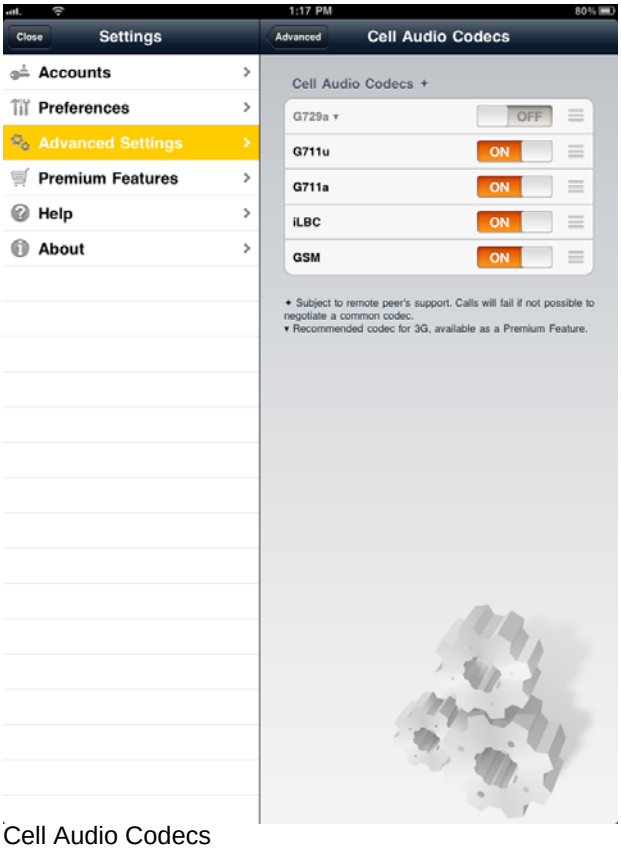
- Server Managed: STUN OFF, ICE OFF, DNS SRV ON.

  Bria will present your device's private address for SIP signaling and when negotiating media routing. Choose this option if your VoIP service provider advises you that it has implemented a network-hosted NAT traversal (or far-end NAT traversal) technology such as a session border controller (SBC), media proxy or RTP relay.

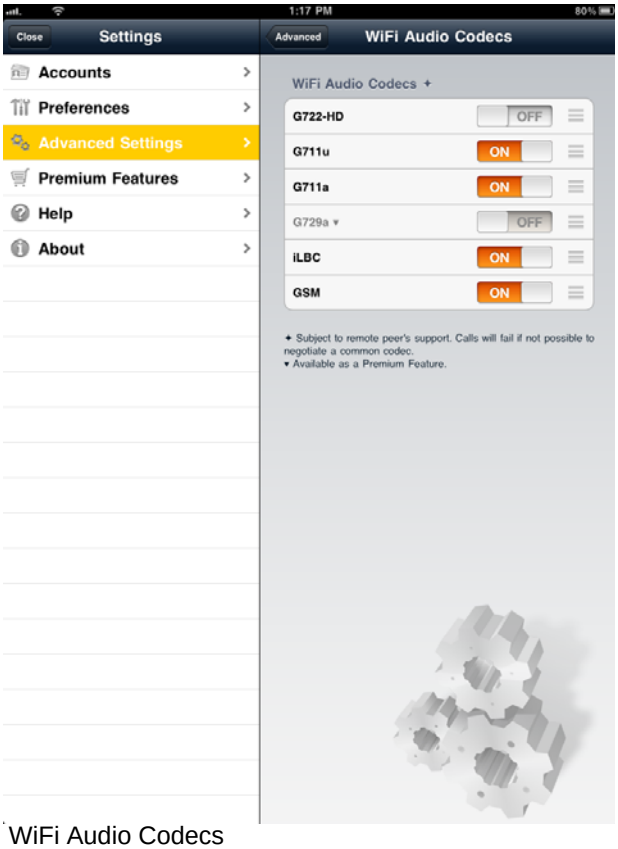
- User Specified: Set the settings as desired. This profile lets you specify a different STUN server.

Field	Description
Use STUN	• ON: Bria will use a STUN server to discover your public IP address. • OFF: Bria does not discover your public IP address. Therefore, only the private IP address will be used. Typically, Global IP should be set to OFF.
STUN Server	Used only if STUN is ON. The default is counterpath.com. If you select the User Specified profile you can specify a different STUN server.
ICE	ICE is involved only in media routing (it is not involved in SIP signaling). • ON: Bria will use ICE to discover addresses for media packets. ICE provides a good guarantee of two-way audio. However, to use ICE successfully, both endpoints in a call must use ICE and specifically must use draft 19 of the ICE standard. • OFF: Try turning ICE off if you are not using iPad behind a firewall or NAT.
DNS SRV	• ON: Bria will use DNS SRV to discover the network addresses for your VoIP service provider's VoIP-related services such as a STUN server, if any. • OFF: Bria will not use DNS SRV for discovery. Only turn this setting off if your system administrator advises you to do so.
STUN 3G	This setting has the same function as STUN, but applies only when you are connected over 3G.
ICE 3G	This setting has the same function as ICE, but applies only when you are connected over 3G.

Audio Codecs Selection



Cell Audio Codecs



WiFi Audio Codecs

These two screens list the audio codecs that can be used during a WiFi call or cellular data call. Codecs are programs in Bria involved in transmitting audio; each codec has different characteristics and therefore each works better in some situations than in others.

Novice and Non-technical Users

We recommend you enable all codecs and let Bria select the best codec to use in a given situation.

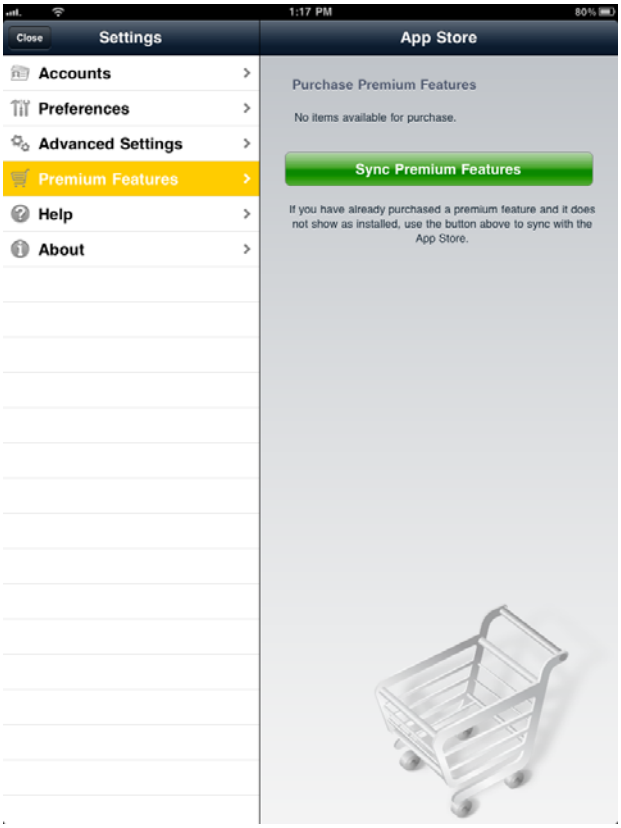
Technically Savvy Users

You may choose to enable one, some or all codecs. If only one codec is enabled, all calls will be made with that codec. If more than one is enabled, Bria negotiates the codec to use (from among the enabled codecs) with the other person.

You can prioritize codecs by dragging them up or down in the list. Codecs higher in the list are given a higher priority in the offer, when negotiating codecs with the other party. Therefore, moving a codec higher should improve its chances of being chosen.

G.722 is a wideband codec. All other codecs are narrowband. When a wideband codec is used, data usage will be higher and audio quality will generally be better. When a narrowband codec is used, data usage may be lower but audio quality may be affected. Data usage for the narrowband codecs, from high to low usage, is: G.711a, G.711u, GSM, iLBC, G.729.

4.4 Premium Features



G.729 Audio Codec

G.729 is a narrowband codec that is intended for low bandwidth use. It is particularly recommended if you will be making calls over 3G because it provides better audio quality on your cellular data connection.

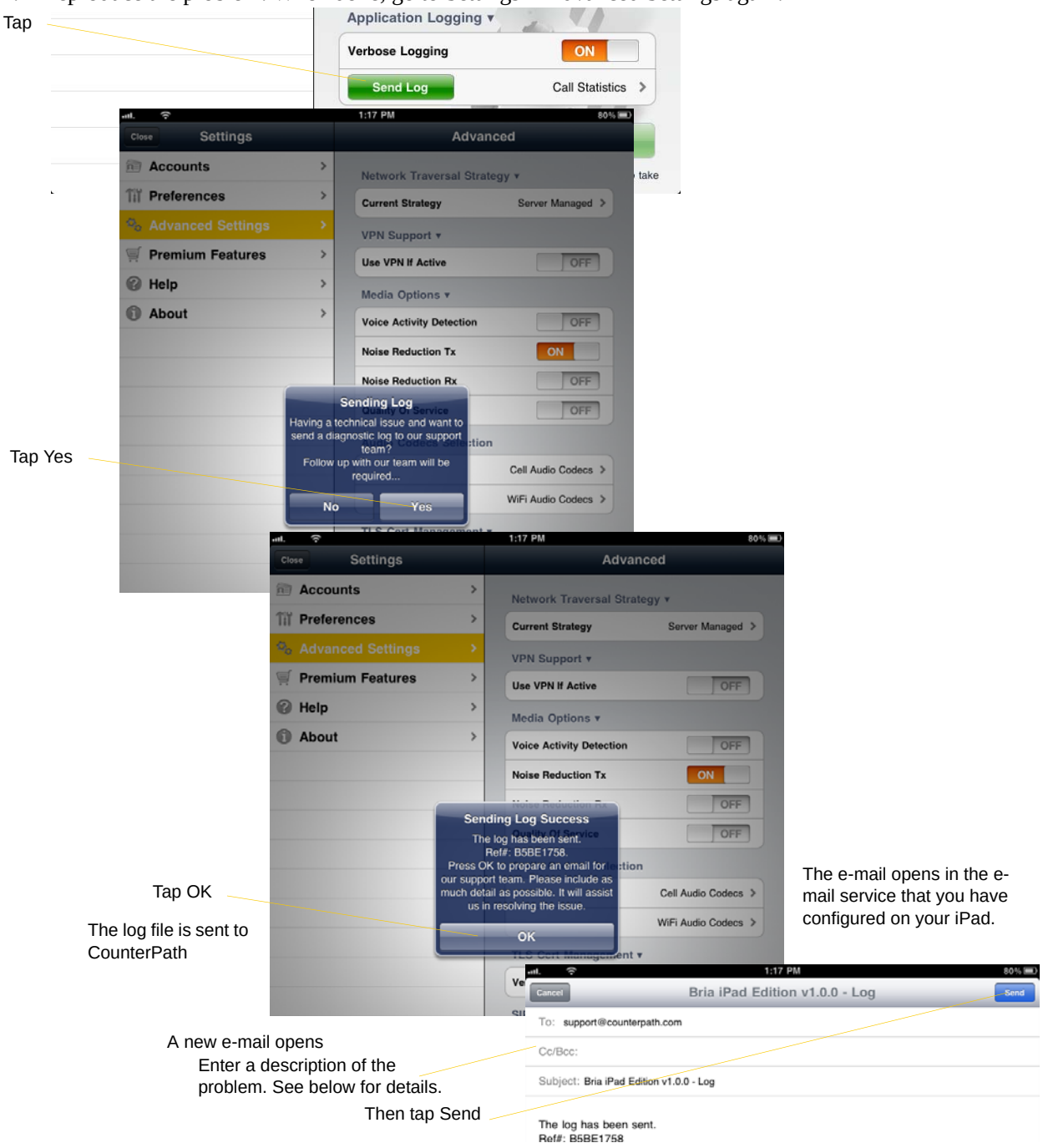
To purchase this codec, tap the item. On the Product Detail screen, tap the price button to connect to the iTunes store. A confirmation prompt appears. Tap Cancel or Buy.

A Troubleshooting

Using Bria Diagnostics

If you have a problem with Bria, customer support may ask you to turn on diagnostics to capture information.

1. Go to Settings > Advanced Settings. If Verbose Logging is OFF, turn it to ON and click Apply Changes.
2. Reproduce the problem. When done, go to Settings > Advanced Settings again.



3. The description of the problem could include the following:
    - What you were doing when the problem occurred.
    - Your Apple device and model.
    - Any recent changes you have made to your setup of Bria.
    - Whether you are in your “home” Wi-Fi zone (your normal Wi-Fi zone) or a different Wi-Fi zone.
    - Whether you normally have 3G enabled on your device and in Bria.
4. When done, turn off Verbose Logging. Click Apply Changes.

More Information

- You can view Frequently Asked Questions at https://support.counterpath.com/default.asp?W367.
- You can visit the Bria iPhone Edition forum at forums.counterpath.com > Bria iPhone Edition.

B Dial Plans

You can create a dial plan in order to modify a phone number used in a phone call (the “input”), in order to ensure the call is placed successfully. For example, you could create dial plan to change any number that starts with “+1613” to just “613”.

Setting up Dial Plans

You can create as many dial plans for an account as you need. A dial plan belongs only to one account. Bria goes through the dial plans in the order in which they appear on the screen. You can drag dialplans to change their order.

Go to Settings > Accounts > tap the account. Scroll down.

Designing the Dial Plan

A dial plan has two parts:

- A pattern that the phone number (the input) must match.
- The modification to make if the input matches that pattern: removing a prefix, adding a prefix, or removing one prefix and adding another one. Subsequence substitution is also supported.

Example 1

```
Match number: +1613x.          Remove Prefix: +1613        Add Prefix: 9
```

If the input starts with “+1613”, then remove the “+1613” then add “9” and dial the number. So +16135550012 is dialed as 95550012.

Example 2

```
Match number: [2-9]xxxxxxxxx    Add Prefix: 1
```

If the input is a 10-digit number starting with a number other than 1, then add “1” and dial the number. So 6045550012 is dialed as 16045550012.

The Pattern

The pattern can be made up of any combination of the following:

Element	Description
1 to 9	Any digit
x	A single wildcard
* # +	These symbols
[ ]	A collection that can include range. For example [6-9] means 6 7 8 9. Or [136-9] means 1 3 6 7 8 9.
.	Repeat the last element 0 or more times. For example, with the pattern “12.” the following input will match: 1 (The “2” is repeated zero times) 12 122 1222 and so on

The Modification

The modification can add or remove characters, and can be made up of digits, wildcards or symbols.

Advanced Dial Plan: Subsequence Substitution

The match pattern can include a sequence of numbers to match and another sequence to substitute for the match. This feature is useful if you want to convert a sequence within the input, not just add or remove a prefix.

The syntax is:

```
<input sequence : substitute sequence>
```

For example: <604:250> means change the sequence “604” to “250”.

The sequence substitution element can be combined with any other elements in the match pattern. For example:

+x.<604:250>x. would change match +**604**5551212 and +1613555**604**0 and in both cases change the “604” to “250”.

C Glossary

Cellular data call	A Bria call that uses the cellular data newtork rather than the WiFi network. If you start (or receive) a call with an iPad when you are not in a WiFi zone, the call will be a cellular network call. Not all supported devices support 3G; see page 3.
DTMF	Dual-tone multi frequency. DTMF is the system that is used in interactive voice-response menu systems such as the menu system for accessing voicemail messages. The DTMF system allows the user to interact with the menu by pressing keys on a dialpad or keyboard.
Home button	The button at the bottom of the iPad.
ICE	Interactive Connectivity Establishment. A method for traversing a firewall.
IP address	A unique number that identifies a device. Devices on a network use the IP address to communicate with each other.
IVR	Interactive Voice Response. IVRs use DTMF.
Media	The audio portion of a call. Compare to “Signaling”.
Signaling	The information in a call that deals with establishing and controlling the connection, and managing the network. The non-signaling portion of the call is the Media.
SIP	Session Initiation Protocol. The signaling protocol followed by Bria for handling phone calls.
SIP account	An account that provides the user the ability to make VoIP phone calls. The account encapsulates the rules and functions the user can access.
STUN	Simple Traversal of UDP through a firewall or NAT.
WiFi call	A Bria call made over the WiFi internet. To make a WiFi call, you must be in a WiFi zone.
3G call	A Bria call made over the cellular network. Same as a cellular data call.